

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
9 September 2005 (09.09.2005)

PCT

(10) International Publication Number
WO 2005/082805 A1

(51) International Patent Classification⁷: **C04B 28/04**

(21) International Application Number:
PCT/IB2005/000125

(22) International Filing Date: 19 January 2005 (19.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2004/0787 30 January 2004 (30.01.2004) ZA

(71) Applicant (for all designated States except US): **WHEAT-FIELDS INVESTMENTS NO. 191 (PROPRIETARY) LIMITED** [ZA/ZA]; 2 Linde Crescent, Duynfontein, 7441 Melkbosstrand (ZA).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BRIGHT, Richard, John** [ZA/ZA]; 5 Dorolet Street, Ladine, 0699 Polokwane (ZA). **GREEN, Philip** [GB/ZA]; 15 The Plover, cnr 7th Street/ Harry Galaun Road, Halfway Gardens, 1685 Midrand (ZA).

(74) Agent: **SCHWEIZER, Adrian, Victor, van Reenen**; c/o Adams & Adams (Johannesburg), 3rd Floor, 23 Wellington Road, Parktown, Johannesburg, 2193 Gauteng (ZA).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CEMENT PAINT

(57) Abstract: The invention provides a water-based paint and a process for formulating it. The paint includes, as constituents thereof, cement particles and water. The cement particles are uncured cement particles and the paint also includes, as a constituent, colloiddally-sized particles of polymeric material capable of forming a stable colloid in water. The paint is in the form of a homogeneous blend of its constituents. The cement particles form 5 - 40% by mass of the paint and the colloiddally-sized particles form 0.25 - 10% by mass of the paint. The process includes the steps of suspending the colloiddally-sized polymer particles in water to form a colloidal suspension and admixing the cement particles with the colloidal suspension to form a blend of the water, cement and colloiddally-sized polymer particles.



WO 2005/082805 A1